

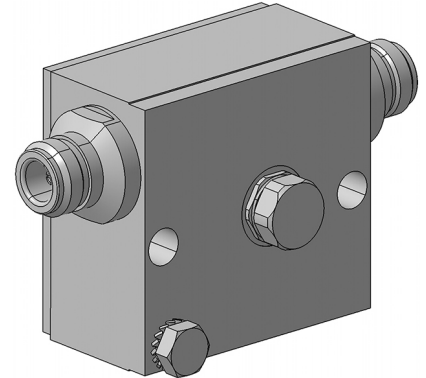
## EMP Protector 3403.17.0042

### Description

Fine protector hybrid technology

#### Benefits

Broad-band design  
 DC continuity for remote powering  
 Replaceable GDT 9071.99.0548, (90 V) included  
 Compliant to IEC 61643-21



### Product Configuration

Main path connectors	Port 1: <u>unprotected</u> , N jack (female) - Port 2: <u>protected</u> , N jack (female)
Mounting and grounding	M4 (screw), brk (bracket)

### Technical Data

#### Electrical Data

Impedance	50 $\Omega$		
Frequency range	650 - 2500 MHz	650 - 2300 MHz	2300 - 2500 MHz
Return loss		$\geq 20.8$ dB	$\geq 18$ dB
Insertion loss		$\leq 0.5$ dB	$\leq 0.5$ dB
RF CW power	$\leq 50$ W		
PIM 3rd order	not specified		
DC supply voltage	$\leq 15$ V		
DC current	$\leq 3$ A		
Surge current handling capability	30 single / 20 multiple kA (test pulse 8/20 $\mu$ s)		
Residual pulse energy	6 $\mu$ J typically (test pulse 4 kV 1.2/50 $\mu$ s / 2 kA 8/20 $\mu$ s) main path - protected side		

#### Mechanical Data

Number of matings	500
Weight	330 g

#### Environmental Data

Operating temperature	-40 °C to +85 °C
Waterproof degree	IP65 (according to IEC 60529, data refer to the coupled state)
2011/65/EC (RoHS)	compliant acc. Annex III

#### Material Data

Piece Parts	Material	Surface Plating
Housing	Aluminium	Chromatized
Port 1 center contact	Copper Beryllium Alloy	Gold Plating (without Nickel underplating)
Port 2 center contact	Copper Beryllium Alloy	Gold Plating (without Nickel underplating)

### Related Documents

Outline drawing	DOU-00018472.1
Mounting instruction	DOC-0000176104

### Remarks

Recommendation: if this protector is mated with connectors made of copper-alloy base material and trimetal or nickel plating the connector area must be taped to improve long-term durability.



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